

### Abstract

The invention relates to a cervical vertebra plate (10) for osteosynthesis, having two receiving openings for the screw heads (18) of bone screws (16) in order to secure the cervical vertebra plate to two cervical vertebrae. The receiving openings have grooves (22) in the distal region on the periphery thereof and the depth of the grooves increases from a proximal to a distal end. The invention also relates to a bone screw (18) comprising a screw head (16) and a screw shank. The screw head comprises grooves (34) on the outer periphery thereof and the depth of the grooves varies along the length thereof.